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... Thus, a complete **virtual machine interface** is maintained at each level ... We have defined
the detailed Fluke **API** [6], the "Flexible/-kernel Environment." A ...

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NJE Wijngaards, BJ Overeinder, M Van Steen ... - Data & Knowledge Engineering, 2002 - Elsevier
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A Whitaker, RS Cox, M Shaw, SD Gribble - usenix.org
... software services that manipulate the **virtual machine interface** without worrying ...
only show a portion of the full **API**. ... buffers inside the µDenali **kernel** itself ...

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P Barham, B Dragovic, K Fraser, S Hand, T ... - Proceedings of the nineteenth ACM symposium on ..., 2003 - portal.acm.org

... translation is applied to the entire guest OS **kernel** (with associated ... 2.1 The **Virtual Machine Interface** Table 1 presents an overview of the paravirtualized ...

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H Bohme, U Golze - Lecture Notes in Computer Science, 2004 - Springer

... careful approach mainly using an additional **API with virtual machine interface**. ... blocks) are integrated into the **kernel**. ... The **API** of our real-time extension is ...

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H Eiraku, Y Shinjo, C Pu, Y Koh, K Kato - Proceedings of the 2009 ACM symposium on Applied ..., 2009 - portal.acm.org

... Since the Socket **API** has been designed to add ... layer of Linux allocates socket **objects** that export ... Regular OS **kernels** provide powerful copying functions to take ...

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S Maffei, LH Richter, KP Birman - University of Zurich, " PhD Thesis, 1995 - homepage.hispeed.ch

... A EOM Requirements 153 B **Virtual Machine Interface** 159 C Isis Adaptor for

Electra 163 ... 2 1.2 Remote **Object** Invocation : : : : 10 ...

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... which abstract opera- tions on memory **objects** through a ... using the same pre-virtualized Linux **kernel** both as a ... a real device, and conform to the platform **API**. ...

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Virtual machine interface for hardware reconfigurable and software programmable ...

S Chen, KM Hesky, RR Joag, JD Medlock, ... - US Patent App. 11/841,848, 2007 - Google Patents

... system com- prising a **virtual machine interface** (VMI) and an application programming

interface (**API**) for use ... having a plurality of hardware **kernels** and an ...

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... significant complexity and typically have a wide **API**, violating the ... Denali **virtual machine interface** ... Denali architecture: the Denali isola- tion **kernel** is a ...

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... Para-virtualization – VM does not simulate hardware – Use special **API** that a ... **Virtual machine Interface** ... Standardize the VM interface so **kernel** can run ...

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J Lepreau, 2000 - cs.utah.edu

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[Improving Virtualized Windows Network Performance by Delegating Network Processing](#)

Y Koh, C Pu, Y Shinjo, H Eiraku, G Saito, D ... - Proceedings of the 2009 Eighth IEEE International ..., 2009 - doi. ieeecomputersociety.org

... processing in the host **kernel** is naturally ... implementation of remote Linsock **API** invocation with ... VMware **Virtual Machine Interface** (VMI) provides paravirtual I/O ...

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P AGRAWAL - iitd.ac.in

... 3.2.2 **Virtual Machine Interface** (VMI) ... the processor model to communicate with the simulation **kernel** and the ... available as a shared **object**, provide an **API** to allow ...

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[System for and method of improving discrete event simulation using virtual machines](#)

R Barr, ZJ Haas, R Vanrenesse - US Patent App. 11/116,733, 2005 - Google Patents

... T CONVERT THE CROSS-ENTITY METHOD INVOCATION (130) TO AN INVOCATION OF **KERNEL** (108) 459 I REPLACE, ON AN EXECUTION STACK, REFERENCES TO THE **OBJECT** (124) WITH ...

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[Heterogeneous parallel and distributed computing](#)

VS Sunderam, GA Geist - Parallel Computing, 1999 - Elsevier

... system is based on a configuration file that specifies the host pool, the **object** file to ... While MPI-1 defined a message passing **API**, it was not portable across ...

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[Denali: A scalable isolation **kernel**- psu.edu \(PDF\)](#)

A Whitaker, M Shaw, SD Gribble - Proceedings of the 10th workshop on ACM SIGOPS ..., 2002 - portal.acm.org
... **virtual machine interface** ... Flux OSKit [9]. However, the "core" of the **kernel** (scheduling, virtual ... 7], full threading support, and a subset of the Posix **API** ...

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G Ammons, J Appavoo, M Butrico, D Da Silva ... - Proceedings of the 3rd international conference on ..., 2007 - portal.acm.org

... operating system into two parts: a small, trusted **kernel** (called the ... **API** should include a subset of the libc **API** to enable easier ... Xen **virtual machine interface** ...

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[Combining **object**-oriented systems and open transaction processing- psu.edu \(PDF\)](#)

P Taylor, V Cahill, M Mock - The Computer Journal, 1994 - Br Computer Soc

... Of the Comandos **Virtual Machine Interface** (VMI). ... to interface to a LSRT rather than to provide an **API** for application ... The GRT is supported by the **kernel**. ...

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T Van Looy - har2009.org

... The MI is a **virtual machine interface** to the system, consisting of ... IBM does provide **API's** so you can implement this ... IBM ported the Linux **kernel** to the IBM i ...

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... altogether using the same set of **API** and still ... The paravirtualization exports a new **virtual machine interface** that aims at ... only one of the two **kernel**s has the ...

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P Reames, E Chan, F David, J Carlyle, R ... - Illinois Journal of Undergraduate Research, 2007 - Citeseer

... to enforce a restricted platform **API** for paravirtualization ... Xen interface [15] and the **Virtual Machine Interface** (VMI) [16 ... to deal with basic **kernel** issues like ...

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J Nakajima, AK Mallick - Ottawa Linux Symposium, 2007 - kernel.org

... virtualization typically uses a higher level of **APIs** that are ... the added benefit that the same **kernel** can run ... 1] **Virtual Machine Interface** (VMI) Specifications ...

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[\[PDF\]](#) [Virtualising Darwin on L4](#)

J Root - disy.cse.unsw.edu.au

... systems must be ported to run on the **virtual machine interface**. ... to hypercalls, that is, hypervisor **API** calls, in order for guest **kernels** to operate correctly ...

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RNP Dasgupta - 13th ISCA International Conference of Parallel and ..., 2000 - Citeseer

... the vOS provides a unified **virtual machine interface** for the ... migration, either change the **kernel**, or application ... by using the Win32 **API** interception mechanism. ...

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ST Jones, 2007 - Citeseer

... architecture. The **virtual machine interface** isolates the VMM from guest operating systems and hides a guest's internal state from the VMM. ...

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[Grid Enabled MPI: PACX-MPI Optimization- \[fcu.edu.tw\]\(http://fcu.edu.tw\) \[PDF\]](#)

MS Lin, Y Hsu - dspace.lib.fcu.edu.tw

... A. MPICH-VM Virtual Machine Interface [14](VMI) is a set of ... is based on vendor MPI and includes **API** library and ... There is a IP tunneling module in Linux **kernel**. ...

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[\[PDF\]](#) [The Snowflake Distributed System](#)

J Howell - Citeseer

... applications to the Snowflake **API** and specifications. ... between protection (implemented in **kernel** mode) and ... facilitated by a **virtual machine interface** in which ...

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[Enabling scalability and performance in a large scale CMP environment- \[slu.ca\]\(http://slu.ca\) \[PDF\]](#)

B Saha, AR Adi-Tabatabai, A Ghuloum, M ... - ACM SIGOPS Operating Systems Review, 2007 - portal.acm.org

... McRT supports a pthreads, OpenMP and Java **virtual machine interface**. ... The OpenMP adaptor implements the runtime **API** used by ... org) and a set of RMS **kernels** [41][52] ...

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[Separating access control policy, enforcement, and functionality in extensible systems- \[psu.edu\]\(http://psu.edu\) \[PDF\]](#)

R Grimm, BN Bershad - ACM Transactions on Computer Systems (TOCS), 2001 - portal.acm.org

... 1996], which rely on processes executing under the control of a privileged **kernel**. ... interposition, such as the ability to dynamically patch **object** jump tables ...

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[VMM-based hidden process detection and identification using Lycosid- \[wisc.edu\]\(http://wisc.edu\) \[PDF\]](#)

ST Jones, AC Arpaci-Dusseau, RH Arpaci- ... - Proceedings of the fourth ACM SIGPLAN/SIGOPS ..., 2008 - portal.acm.org

... the relative security of the **virtual machine interface**, VMM-based ... semantics of private Linux **kernel** data structures ... Lycosid invokes documented **APIs** to obtain ...

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D Djamatudin - innovexpo.itee.uq.edu.au

... Linux **kernel** is to provide a **virtual machine interface** to user ... handled in Linux through a common **API** known as ... Prior **kernel**s had a jumble of incompatible add-on ...

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S Biemueller, 2006 - Citeseer

... L4 address spaces are no first class **object**; they are indirectly identified ... The L4Linux [41] system, is a para-virtualized Linux **kernel**, ported to ... **API** interface ...

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Data processing apparatus, system and method

G Cabilio, JP Lesot, M Banatre, G Chauvel, D ... - US Patent App. 10/003,570, 2001 - Google Patents

... an application respecting VXWORKS **APIs**, JWWORKS could ... and dedicated processor **kernel** operating ... the modular JAVA **Virtual Machine interface** definition language ...

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[\[PDF\]](#) [Portable TCP/IP server design](#)

RM Jolliffe - uir.unisa.ac.za

... Window NT4.0. The HAL exports a **virtual machine interface** which is used by the **kernel**, the executive ... operating environment and exports the Win32 **API** to user ...

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JT LeVasseur, 2009 - 141.3.40.244

... the thread operations into I/O continuation **objects** [GD96]. Sharing conflicts A transplanted driver typically shares the address space with the new OS **kernel**. ...

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Flexible TDMA system architecture

R Subramanian, CC Woodthorpe, DM Holmes ... - US Patent App. 09/922,486, 2001 - Google Patents

... Receive Path 354 Modem Function 320 Demux Data Switching 329 Functional **Kernel**

Plane[i] 3301 Ftmctional-KerrfeH3larret11"33&a— 312~ Parameter ...

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A Framework for Building Customised CORBA ORBs- [tcd.ie](#) [PDF]

H Wiese, 1998 - tara.tcd.ie

... Page 3. 3 Summary Recently, many distributed applications have been based on Common **Object** ... To date, most CORBA compliant **Object** Request Brokers (ORBs) have been ...

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... Mr. Judd was one of the original developers of the VSIP **API** and participated in the development of the ... o Allocate memory for **kernel**s and streams to execute ...

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S Peter, A Baumann, T Roscoe - networkmirror.com

... Operating system **kernels** are often called supervisor and since the virtual machine monitor resides logically below the guest operating system the term ...

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[\[PDF\]](#) • VMI 2.0: A dynamically reconfigurable messaging layer for availability, usability, and ...

S Pakin, A Pant - The 8th International Symposium on High Performance ..., 2002 - Citeseer

... 2.0, the second version of the **Virtual Machine Interface** communication middleware ...

after the Windows NT **kernel** architecture [12 ... The VMI 2.0 **API** contains calls to ...

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... 16 2.1.1 **Object**-Oriented 17 2.1.2 Network ... moving **objects** between two JVMs. ...

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Wireless spread spectrum communication platform using dynamically reconfigurable logic

R Subramanian, U Jha, JD Medlock - US Patent App. 11/193,851, 2005 - Google Patents

Page 1. US 20060003757A1 (19) United States (12) Patent Application Publication

(io> Pub. NO.: US 2006/0003757 Al Subramanian et al. (43) Pub. Date: Jan. ...

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D Frampton, SM Blackburn, P Cheng, RJ ... - Proceedings of the 2009 ACM SIGPLAN/SIGOPS ..., 2009 - portal.acm.org

... The sun.misc.Unsafe **API**, implemented by current production virtual machines, and implemented in ... of a managed runtime, where on one hand the **object** model may ...

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TEG: A high-performance, scalable, multi-network point-to-point communications ... - psu.edu [PDF]

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... 10], Sun's MPI [12], and the **Virtual Machine Interface** (VMI) 2.0 ... closely to the MPI-provided point-to-point **API**. ... module queries the list of **kernel** inter- faces ...

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F Wiesbaden - Citeseer

... 84 5.4 Using the Xen **API** to access the Xen hypervisor is referred to as the **virtual machine interface** (VMI). ... to the **kernel**. ...

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R Grabner, F Mietke, W Rehm - Proceedings of Workshop on Communication Architecture ..., 2004 - chinagrid.edu.cn

... This **API** is utilized within the MPICH2 Device for ... any knowledge about the higher level request **objects**. ... the un-/registration process, a **kernel** involvement is ...

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[Genetic programming on GPUs for image processing- mun.ca \[PDF\]](#)

S Harding, W Banzhaf - International Journal of High Performance Systems ..., 2008 - Inderscience

... is typically done through a **virtual machine interface** such as ... evolutionary algorithm and the underlying **API**, drivers and ... will allow for multiple **kernels** to be ...

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DF Nooren, TE Schouten - Citeseer

... that creates a standard set of application programming interfaces (**APIs**) for advanced

J ... brings all the benefits of being based on an **object**-oriented language ...

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C Wolf - depth research overview, Burton Group, 2007 - hosteddocs.ittoolbox.com

... application programming interfaces (**APIs**) must reside ... guest operating system **kernel**, operating system ... of the open **Virtual Machine Interface** (VMI) specification ...

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GW Dunlap III, 2006 - Citeseer

... knowledge, our system is the first to deterministically replay a multiprocessor

kernel ... surrounded all accesses to shared **objects** with per-**object** locks, logging ...

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PK Panjwani, 2002 - vmi.ncsa.uiuc.edu

... **Virtual Machine Interface**, VMI 2.0 provides features and services to enhance ... such an interface using the **API** of VMI ... VMI 2.0 is modeled after Windows NT **kernel** ...

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NH Walfield - Submitted to EuroSys, 2009 - plato.walfield.org

... 12.2.3 **Virtual Machine Interface** Viengoos is a clean slate

implementation of an **object**-capability **kernel**. ...

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BT Penoff, 2006 - Citeseer

... **API** defined to implement parallel applications. ... erating systems and is part of the standard Linux **kernel** distribution, Mac OS X, ...

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This layer provides an **API** for sending and delivering messages. ...
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... An example of a standardized **API** for system level operations is the ... fault tolerant
systems, since it also offers protection against **kernel** crashes, which ...
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... interface that provides secure memory-management, dispatchable **object** dispatching,
exception ... of an operating system, usually called the **Kernel**, 302 interfaces ...

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AS Grimshaw, A Natrajan - Proceedings of the IEEE, 2005 - Citeseer
... de- signed to provide a powerful **virtual machine interface** layered over ... system was
enforced by the **kernel**, and so on ... layer is responsible for **object** naming and ...
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... and, in particular, to a secure machine and secure machine interface that provides
secure memory-management, dispatchable **object** dispatching, exception handling ...
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... Implementation of standard **APIs** ... processing from the **kernel** of an operating system
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F Mietke, R Grabner, T Mehlan - Citeseer
... No **kernel** support becomes necessary. ... This **API** is utilized within the MPICH2 Device
for InfiniBand ... not need any knowledge about the higher level request **objects**. ...
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... four common profiling problems (heap usage, **object** lifetime, wasted ... is to provide support for profiling through a general purpose **virtual machine interface**. ...

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... Each state models a period of time during the life of an **object** during which it satisfies certain conditions. When an event occurs ...

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A von Gernler - pestilenz.org

... **API** Application Programming Interface ... **OEP Object** Engineering Process ... Cages. Hierbei handelt es sich um durch einen GeNUA-eigenen **Kernel**-Patch noch weitergehend ...

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